

FIGURE 1

5

TNVs ATGGGGTTTGGGCTGAGCTGGGTTTTCTCGTTGCTCTTTTAAGA

10

germline Q V Q L V E S G G G V
CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTG
TNVs GGTGTCCAGTGT.....
TNV148 (B) GGTGTCCAGTGT.....A.....

15

germline V Q P G R S L R L S C A A S G
GTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGA
TNVs

20

germline F T F S S Y A M H W V R Q A P
TTCACCTTCAGTAGCTATGCTATGCACTGGGTCCGCCAGGCTCCA
TNV14,15
TNV148 (B)T.....
TNV196C.....

25

germline G K G L E W V A V I S Y D G S
GGCAAGGGGCTGGAGTGGGTGGCAGTTATATCATATGATGGAAGC
TNV14A....C.T.....T
TNV15T.....T.....T
TNV148 (B)C.....T....G.....
TNV196T.....

30

germline N K Y Y A D S V K G R F T I S
AATAAATACTACGCAGACTCCGTGAAGGGCCGATTCACCATCTCC
TNV14 .GC...A.G.....G.....A.....
TNV15 ..C...A.G.....C.....
TNV148 (B)A.G.....
TNV196A.G.C.....G.....

35

40

FIGURE 2A

R D N S K N T L Y L Q M N S L
 germline AGAGACAATTCCAAGAACACGCTGTATCTGCAAATGAACAGCCTG
 TNV14
 TNV15G.....
 5 TNV148C.....
 TNV148B
 TNV196T.....

R A E D T A V Y Y C A R
 germline AGAGCTGAGGACACGGCTGTGTATTACTGTGCGAGA
 TNV14,15GATCGAGGT
 TNV148 (B)A
 15 TNV196T.....

Y Y Y Y Y G M D V W
 germline TACTACTACTACTACGGTATGGACGTCTGG
 TNV14
 20 ATATCAGCAGGTGGAA.....
 TNV15
 G.C.....A.T..T.....
 TNV148 (B) ...G.....A.....
 25 TNV196 ..TGG.....A.....

G Q G T T V T V S S
 germline GGGCAAGGGACCACGGTCACCGTCTCCTCAG
 TNV14 ..C.....
 30 TNV15 ..C.....
 TNV148 (B) ..C.....
 35 TNV196 ..C..G.....

40

FIGURE 2B

germline MGFGLSWVFLVALLRGVQC signal

TNVs

5 germline QVQLVESGGGVVQPGRSRLRLSCAASGFTFS FR1
 TNVs
 TNV148 (B)I..

10 germline SYAMH CDR1
 TNVs

15 germline WVRQAPGKGLEWVA FR2
 TNVs
 TNV148 (B)N.....

20 germline VISYDGSNKYYADSVKG CDR2
 TNV14 I.L....S.K.....D
 TNV15 F.L.....K.....
 TNV148 (B) FM.....K.....
 TNV196 F.....KS.....

25 germline RFTISRDNKNTLYLQMNSLRAEDTAVYYCAR FR3
 TNV14
 TNV15A.....
 TNV148P.....
 TNV148B
 TNV196 ...V.....F.....F.....

30

35 germline -----YYYYYGMDV CDR3
 TNV14 DRGISAGGN.....
 TNV15 ...V....N.....
 TNV148 (B)A...N.....
 TNV196G...N.....

40 germline WGQGTTVTVSS J6
 TNVs

FIGURE 4

		TNVs	MEAPAQLLFLLLLWLPDTTG	signal
5		germline TNVs	EIVLTQSPATLSLSPGERATLSC	FR1
10		germline TNV14 TNV15 TNV148 (B) TNV196	RASQSVSSYLAY....Y....	CDR1
15		germline TNVs	WYQQKPGQAPRLLIY	FR2
20		germline TNVs	DASNRAT	CDR2
25		germline TNVs	GIPARFSGSGSGTDFTLTISSLEPEDFAVYYC	FR3
30		germline TNVs	QQRSNWPPFT	CDR3
35		germline TNVs	FGPGTKVDIK	J3

FIGURE 5

FIGURE 6

FIGURE 7

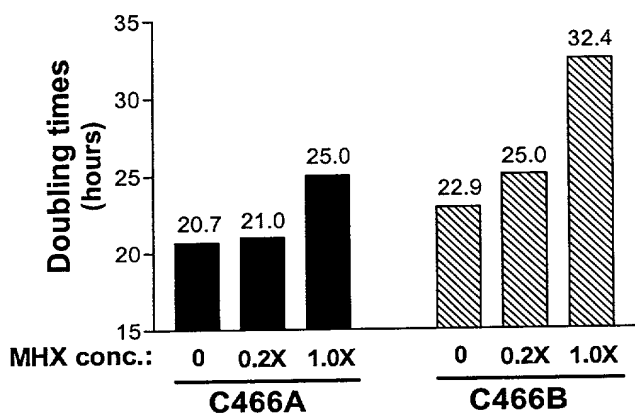


FIGURE 8

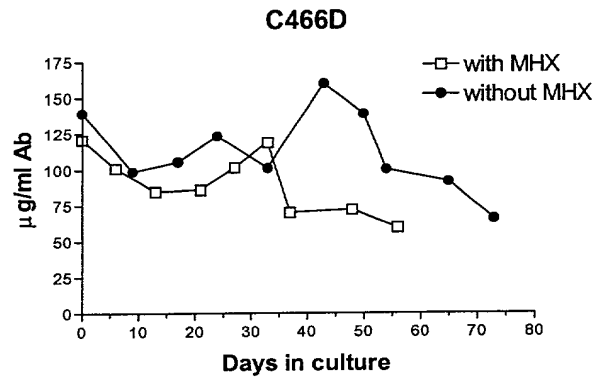
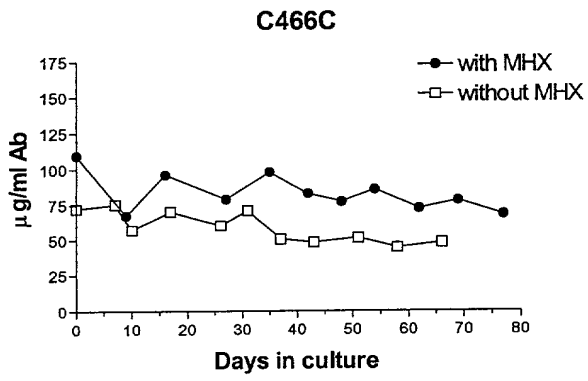


FIGURE 9

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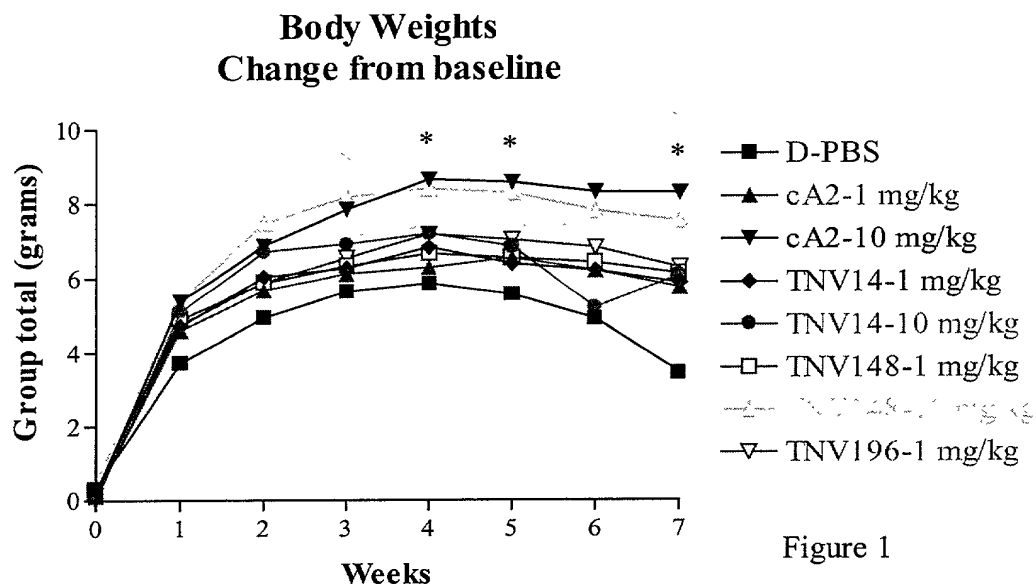


Figure 1

FIGURE 10

Arthritic Index

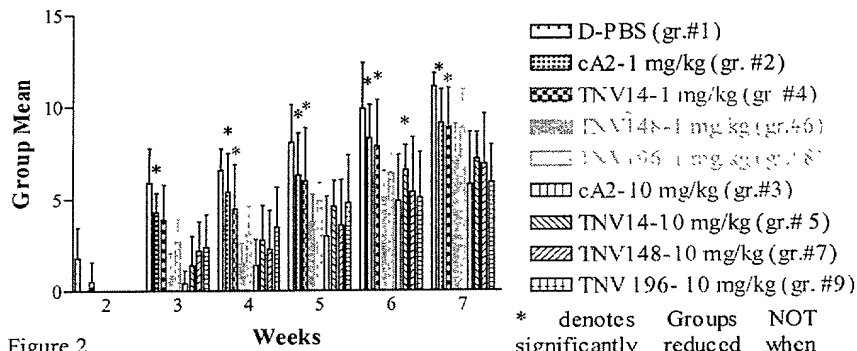


FIGURE 11A

Arthritic Index

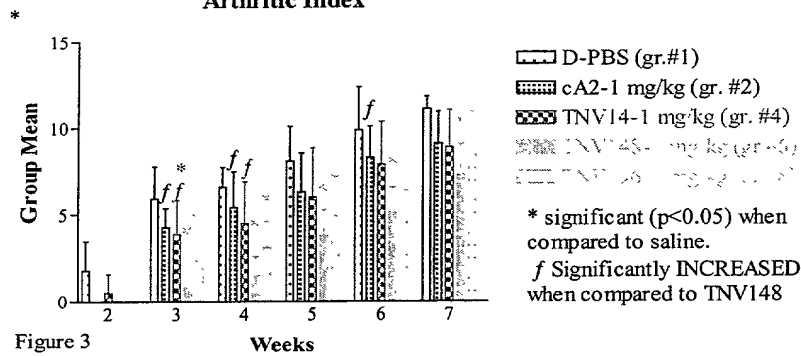


FIGURE 11B

Arthritic Index

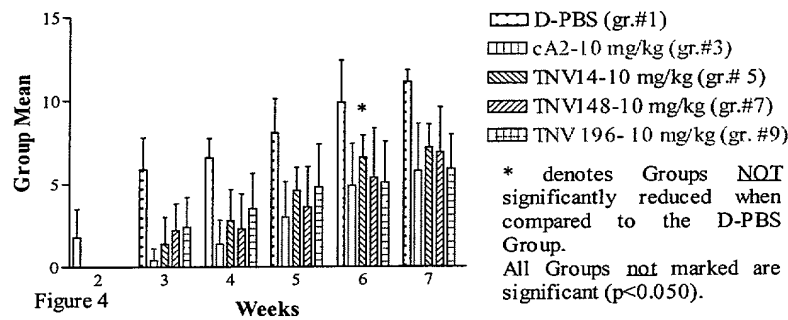


FIGURE 11C

Change in Body Weight
(Group means)

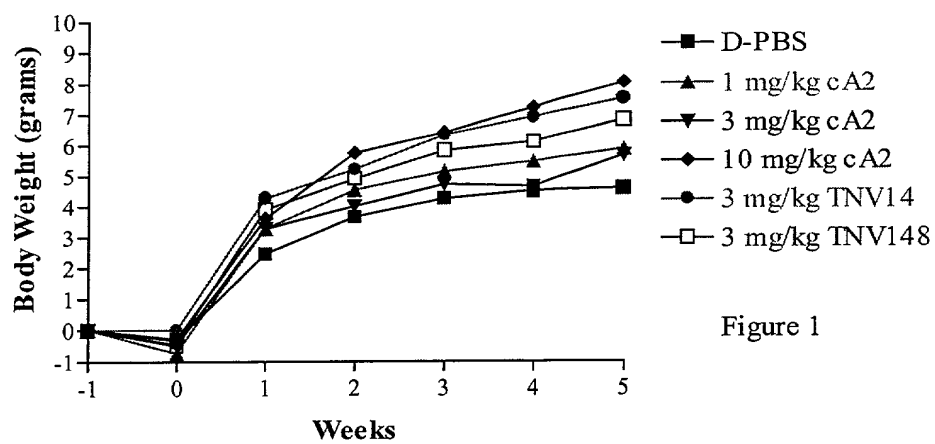


Figure 1

FIGURE 12

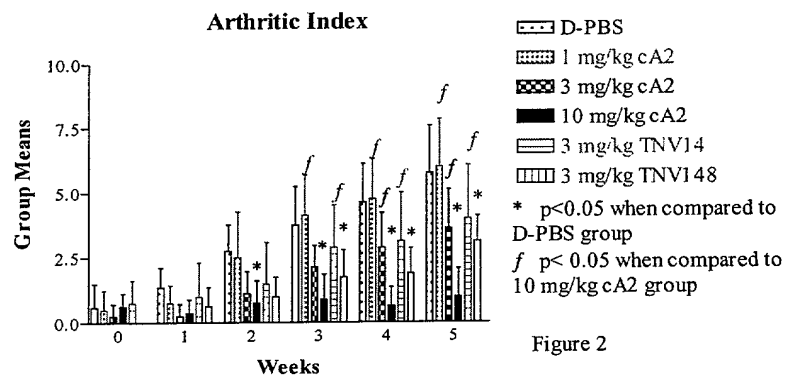


Figure 2

FIGURE 13A

Arthritic Index (Controls)

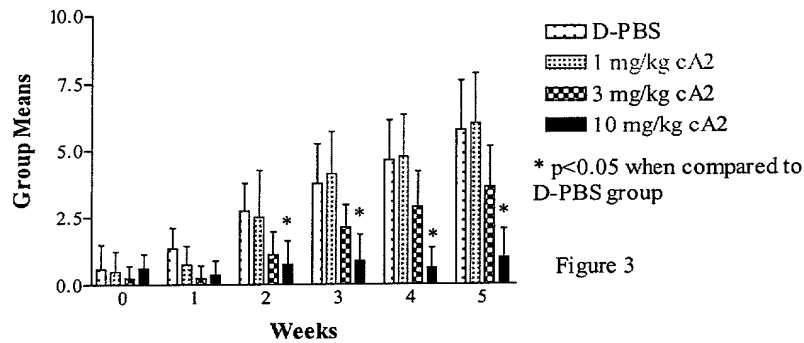


Figure 3

FIGURE 13B

Arthritic Index

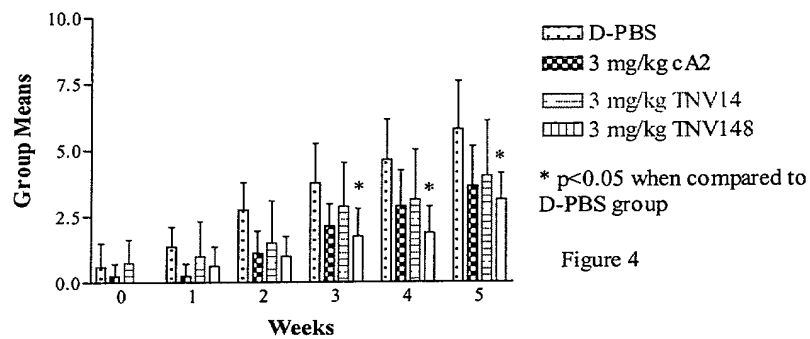


Figure 4

FIGURE 13C

5

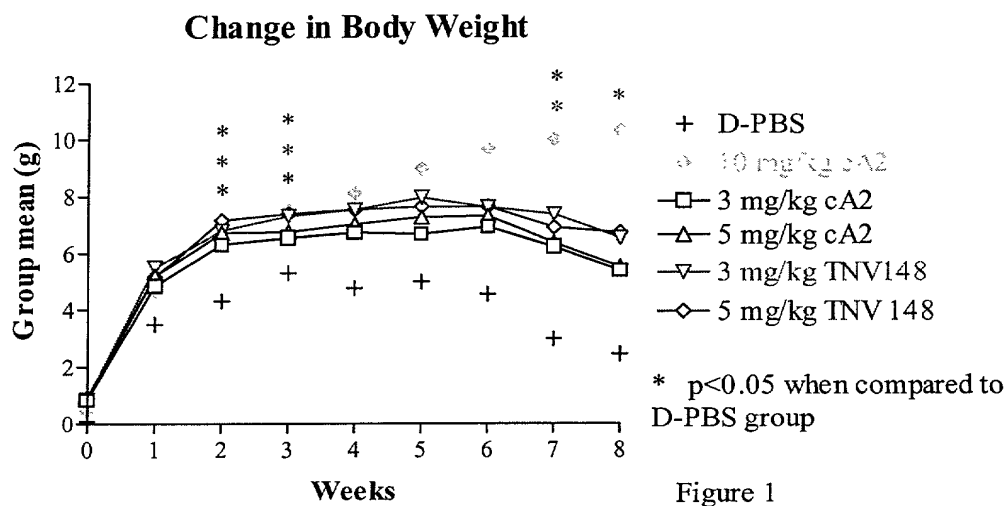


Figure 1

FIGURE 14

Arthritic Index

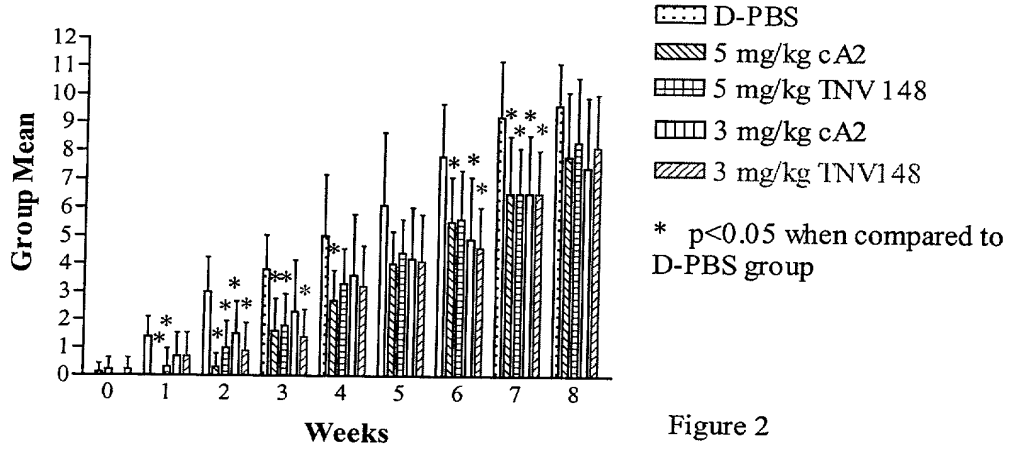


Figure 2

FIGURE 15

Change in Body Weight

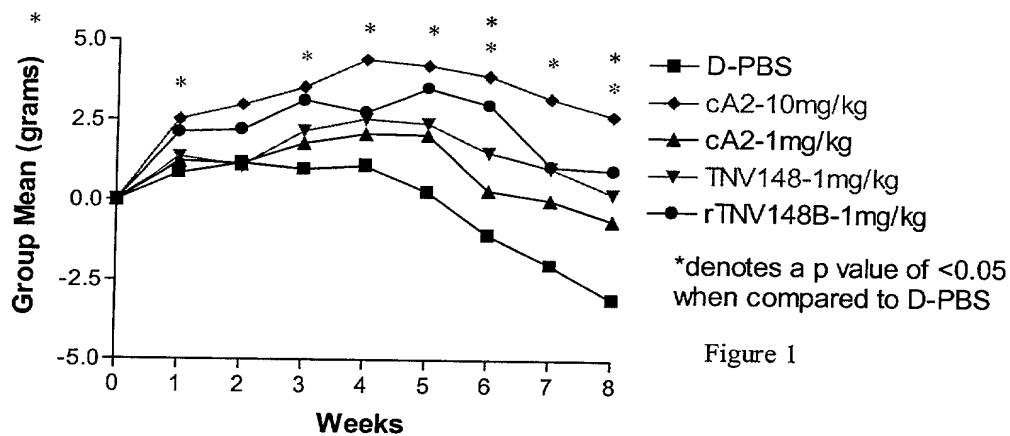


Figure 1

FIGURE 16

Arthritic Index

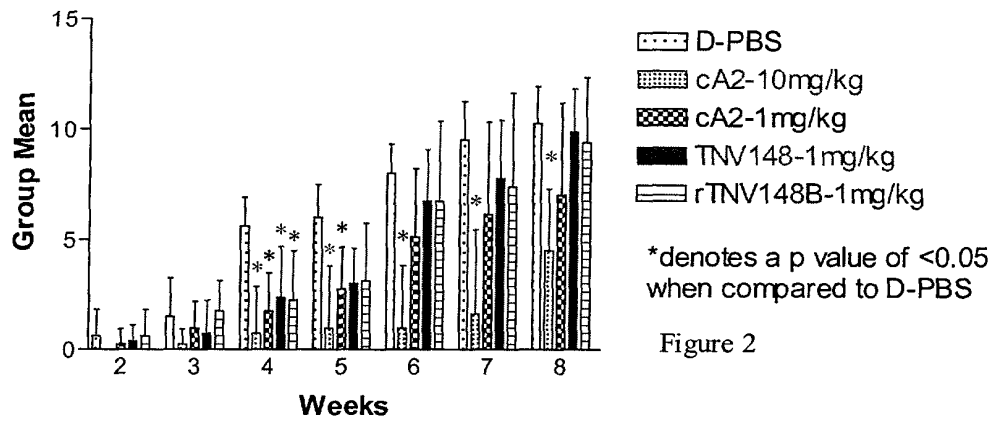


Figure 2

FIGURE 17